

[LD 348]

OCTOBER 2013
M.PHARM. DEGREE EXAMS
FIRST YEAR
BRANCH III – PHARMACOGNOSY
PAPER III – BIOGENESIS AND
CHEMISTRY OF NATURAL PRODUCTS
Q.P. Code : 262909

Sub. Code: 2909

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Describe in detail about various methods of screening of natural products for
a) Cardiac activity b) Hepato protective activity.
2. Write in detail about the occurrence, chemistry, biosynthesis and estimation of ergometrine.

II. Write notes on :

(10x6=60)

1. Industrial methods of isolation and estimation of digoxin.
2. Screening of diuretic activity.
3. Biosynthesis of shikimic acid pathway and its significance.
4. Chemistry of oxytocin.
5. Chemistry of Vitamin C.
6. Screening for hypoglycemic activity.
7. Chemistry and therapeutic uses of semisynthetic penicillin.
8. Estimation and biosynthesis of folic acid.
9. Industrial methods of isolation and estimation of quinine.
10. Tracer techniques.
